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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/663,559	09/15/2003	David Darden Chambliss	SJO920030006US1	3819

EXAMINER	
GOODCHILD, WILLIAM J	

ART UNIT	PAPER NUMBER
2145	

MAIL DATE	DELIVERY MODE
07/30/2007	PAPER

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary	Application No. 10/663,559	Applicant(s) CHAMBLISS ET AL.	
	Examiner William J. Goodchild	Art Unit 2145	

All participants (applicant, applicant's representative, PTO personnel):

(1) William J. Goodchild.

(3) David Victor.

(2) Jason Cardone.

(4) _____.

Date of Interview: 24 July 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
If Yes, brief description: _____.

Claim(s) discussed: 1.

Identification of prior art discussed: Alvarez et al., (US Publication No. 2004/0236846), Koclanes et al., (US Publication No. 2004/0243699).

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.


JASON CARDONE
SUPERVISORY PATENT EXAMINER

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Discussed attached proposed claim admenment and form PTOL-413A.

With regard to 101 rejection on claim 1, the attached proposed admenment and argument is persuasive and would overcome the 101 rejection.

With regard to the 102 rejection on claim 1 by Alvarez et al. and by Koclanes et al., the attached proposed admenment and argument is persuasive and would overcome the 102 rejections.

Applicant will submit an admenment and at that time an updated search will be performed on the claims.

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FAX COVER SHEET**PLEASE DELIVER THIS FACSIMILE
TO EXAMINER WILLIAM J. GOODCHILD**

TO: Commissioner for Patents

FROM: David W. Victor

Attn: Examiner William J. Goodchild

OUR REF: 0037.0042

Group Art Unit: 2109

TELEPHONE: 310-556-7983

Total pages, including cover letter: 3PTO FAX NUMBER: 1-571-270-2589

If you do NOT receive all of the pages, please telephone us at 310-556-7983, or fax us at 310-556-7984.

Description of Documents Transmitted:

**INTERVIEW REQUEST FORM AND
PROPOSED CLAIM AMENDMENT**

Applicant: D.D. CHAMBLISS et al.
Serial No.: 10/663,559
Filed: September 15, 2003
Group Art Unit: 2109
Docket No.: SJO920030006US1

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being transmitted by facsimile to Examiner William J. Goodchild of the U.S. Patent and Trademark Office on July 20, 2007.

/David Victor/

David W. Victor

PTOL-413A
0037.0042**Applicant Initiated Interview Request Form**Application No.: 10/663,559
Examiner: William J. GoodchildFirst Named Application: D.D. CHAMBLISS et al.
Art Unit: 2109 Status of Application: After First Office Action**Tentative Participants:**(1) David W. Victor(2) William J. Goodchild

(3) _____

(4) _____

Proposed Date of Interview: N/AProposed Time: N/A**Type of Interview Requested:**(1) ☒ Telephonic (2) ☐ Personal (3) ☐ Video ConferenceExhibit to be shown or demonstrated: ☐ Yes ☒ No

If yes, provide a brief description: _____

Issues to be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) <u>Sec. 101</u>	<u>1</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) <u>Sec. 102</u>	<u>1</u>	<u>Koclanes and Alvarez</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☒ Continuation Sheet Attached**Brief Description of Argument to be Presented:**

With respect to Section 101 rejection, want to discuss why proposed claim overcomes rejection because provides concrete result, in transmitting commands to virtualization controller to throttle.

Want to discuss to anticipation rejections, want to discuss why cited Alvarez and Koclane do not disclose the requirements added to claim 1, in particular that virtualization controller mapping physical storage resources to virtual volumes in a virtualization layer gathers performance data for a path and sends to a service level guarantee server and that the service level guarantee server determines whether the performance data for connections satisfy a performance criteria, and if not sends commands to the virtualization controller to throttle I/O transmission through connections.

/David Victor/
 (Applicant/Applicant's Representative Signature)

(Examiner/SPE Signature)

1. (Proposed Amendment) A method for managing a network providing Input/Output (I/O) paths between a plurality of host systems and storage volumes in storage systems, comprising:

providing an application service connection definition for each connection from a host to a storage volume;

providing at least one service level guarantee definition indicating performance criteria to satisfy service requirements included in at least one service level agreement with at least one customer for network resources;

associating each service level guarantee definition with at least one application service connection definition; [[and]]

gathering, by a virtualization controller mapping physical storage resources to virtual volumes in a virtualization layer, Input/Output performance data for Input/Output requests transmitted through the connections;

transmitting, by the virtualization controller, the gathered performance data to a service level agreement server;

monitoring, by the service level agreement server, whether the performance data for the I/O Input/Output (I/O) requests transmitted through the multiple I/O paths connections satisfy the performance criteria indicated in the service level guarantee definition associated with the application service connection definitions for the connections I/O paths;

transmitting, by the service level agreement server, commands to the virtualization controller to throttle I/O transmission over at least one connection in response to determining that the performance data for at least one connection does not satisfy the performance criteria.